

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 08/02/2018 09:58 AM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Setup Beads

Bead Product: CST Setup Beads **Part #:** 910859
Lot ID: 80291 **Expiration Date:** 02/29/2020
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125858	0	2.54	125924	2.53
Blue	F	SSC	125000	124460	-1	2.10	125162	2.10
Blue	E	FITC	15760	15376	-3	3.03	332	22.95
Blue	D	PE	25880	25121	-3	2.10	548	16.93
Blue	B	PerCP-Cy5-5	34075	34130	0	4.32	1040	23.02
Blue	A	PE-Cy7	22776	22832	0	7.49	546	45.52
Red	C	APC	42488	41335	-3	2.69	1566	13.05
Red	A	APC-Cy7	24478	24125	-2	2.84	826	13.06
Violet	B	V450	6304	6164	-3	4.18	343	18.02
Violet	A	V500	26005	25394	-3	3.72	594	13.74

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20851	12.13	610	13	N/A	N/A	Pass
Blue	F	SSC	56472	1.58	578	23	N/A	N/A	Pass
Blue	E	FITC	58	74.13	564	8	0.0147	155	Pass
Blue	D	PE	112	58.57	557	8	0.1227	283	Pass
Blue	B	PerCP-Cy5-5	196	56.78	658	11	0.0072	89	Pass
Blue	A	PE-Cy7	108	112.15	710	13	0.0091	28	Pass
Red	C	APC	367	27.95	601	1	0.0210	170	Pass
Red	A	APC-Cy7	203	28.28	573	2	0.0046	717	Pass
Violet	B	V450	56	80.41	497	8	0.0251	2139	Pass
Violet	A	V500	87	49.96	514	8	0.0122	1286	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

Cytometer Performance Report

Cytometer: FACSCantoII
Cytometer Name: FACSCantoII
Serial Number: V33896201821
Input Device: Carousel
Tube Loaded Manually: Yes
Cytometer Configuration: Euroflow 3-laser, 8-color (4-2-2)

User: Administrator
Institution: N/A
Software: BD FACSDiva 8.0.2
Date: 08/02/2018 09:58 AM
Cytometer Baseline: 05/12/2018 04:21 PM
P/F: Pass

Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.57	47.98 - 71.98	N/A	N/A	-32.01	-31.48	0.95
Blue	20.35	16.27 - 24.41	1.28	0.99 - 1.49	0.00	0.00	1.39
Red	17.40	13.60 - 20.40	N/A	N/A	31.32	31.89	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.90

Threshold

Threshold (FSC): 13479

Fluidics

FACSFlow Pressure: 3.90
Spec.: 3.80 - 4.00
Sample Pressure: 3.60

Comments